

## Modification to a Rotating Tribrach for use in a Masonry Wall



1) Remove brass legs by using a 5/64" allen wrench. Save the set screws.



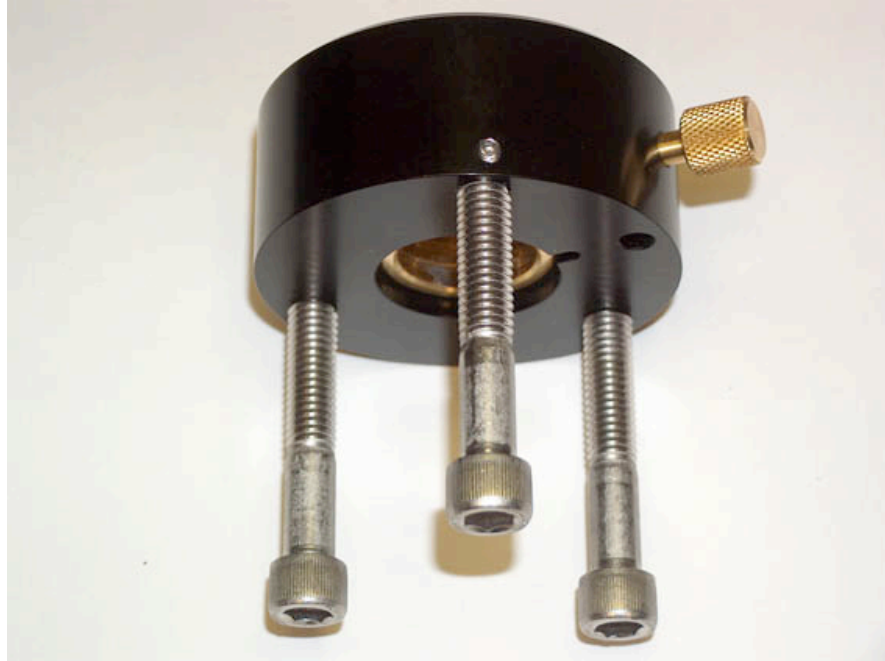
2) Remove brass center of adaptor and set up a standard drill press to cut machine threads by hand using a 3/8" - 16 Bottoming Tap similar to Greenfield #14159, or McMaster-Carr #2521A643. The drill press is an easy way to cut a straight set of threads.



3) Unlock drill press table and adjust height to align tap with a leg hole of adapter. Snug the table up to the tap so you can start cutting threads. Apply a few drops of oil to the tap for lubrication.



4) Using hand power only firmly hold the adapter and turn the tap in the drill press about  $\frac{1}{3}$  of a turn. Release the right hand and adjust the table up to a snug position again. Repeat until the tap bottoms out. Lower table a few inches and turn the tap back to release the adapter. Repeat for the other 2 leg holes.



5) Insert fasteners that will hold the adapter and replace the 3 small set screws. The length should fit the installation. Shown are 3/8" – 16 stainless socket cap screws 2.5" long. A portable hammer drill with a 1/2 inch bit works well in drilling the holes.



6) The use of standard wood shims under the antenna adapter will aid in leveling while the epoxy sets up. Two tubes of 1 oz. epoxy are required. After the epoxy sets, cut the wood shims away from the side of the adapter and finish the installation with a bead of caulk around the bottom edge.